AMENDMENTS TO THE CLAIMS

1.   (Currently Amended)   A drive circuit for an ink jet head having nozzles, pressure generating chambers filled with ink to be discharged from said nozzles, and piezoelectric actuators corresponding to respective pressure generating chambers, said ink jet head discharging ink droplets from said nozzles by changing volumes of said pressure generating chambers in response to a drive waveform signal applied to said piezoelectric actuators, said drive circuit comprising:

a waveform generator generating said drive waveform signal;

a power amplifier amplifying said drive waveform signal supplied to a first input of said power amplifier and outputting said drive waveform signal to said piezoelectric actuators via a first an electrical connection having a first end coupled to the power amplifier and a second end coupled to the piezoelectric actuator; and

a feedback loop having a resistor connected with a capacitor in parallel and feeding a terminal voltage at the second end of the first electrical connection applied to said piezoelectric actuators back to a second input of said power amplifier wherein the terminal voltage is fed via the resistor, wherein a first end of the feedback loop is connected to the second end of the first flexible cable.

2.   (Cancelled)

3.   (Currently Amended)   A drive circuit for an ink jet head having nozzles, pressure generating chambers filled with ink to be discharged from said nozzles, and piezoelectric actuators corresponding to respective pressure generating chambers, said ink jet head discharging ink droplets from said nozzles by changing

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volumes of said pressure generating chambers in response to a drive waveform signal applied to said piezoelectric actuators, said drive circuit comprising:

a waveform generator generating said drive waveform signal;

a power amplifier amplifying said drive waveform signal supplied to a first input of said power amplifier and outputting said drive waveform signal to said piezoelectric actuators via a first ~~an~~ electrical connection having a first end coupled to the power amplifier and a second end coupled to the piezoelectric actuator; and

a feedback loop having a resistor connected with capacitor in parallel and feeding back a terminal voltage at the second end of the <u>first</u> electrical connection of said piezoelectric actuators and said output signal of said power amplifier to a second input of said power amplifier wherein the terminal voltage is fed via the resistor<u>, wherein a first end of the feedback loop is connected to the second end of the first flexible cable</u>.

4.   (Cancelled)

5.   (Currently Amended)   A method of driving an ink jet head, said ink jet head having nozzles, pressure generating chambers filled with ink to be discharged from said nozzles, and piezoelectric actuators corresponding to respective pressure generating chambers, said ink jet head discharging ink droplets from said nozzles by changing volumes of said pressure generating chambers in response to a drive waveform signal applied to said piezoelectric actuators, said method comprising the steps of:

generating said drive waveform signal;

inputting said drive waveform signal to a first input of a power amplifier to produce an amplified drive waveform signal, and supplying said amplified drive waveform signal to said piezoelectric actuators via a first ~~an~~ electrical connection having a first end coupled to the power amplifier and a second end coupled to the piezoelectric actuator; and

feeding said amplified drive waveform signal at the second end of the first electrical connection supplied to said piezoelectric actuators back to a second input of said piezoelectric actuators wherein the terminal voltage is fed via a resistor connected in parallel with a capacitor, wherein a first end of the feedback loop is connected to the second end of the first flexible cable.

6.   (Cancelled)

7.   (Cancelled)

8.   (Cancelled)